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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/661,234

09/12/2003

John A. Moon

CV-0038A

6836

7590

06/14/2006

Gerald L. DePardo
CiDRA Corporation
50 Barnes Park North
Wallingford, CT 06492

EXAMINER

LAVARIAS, ARNEL C

ART UNIT

PAPER NUMBER

2872

DATE MAILED: 06/14/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Response to Rule 312 Communication	Application No. 10/661,234	Applicant(s) MOON ET AL.	
	Examiner Arnel C. Lavarias	Art Unit 2872	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

1. ☒ The amendment filed on 22 May 2006 under 37 CFR 1.312 has been considered, and has been:

a) ☐ entered.

b) ☒ entered as directed to matters of form not affecting the scope of the invention.

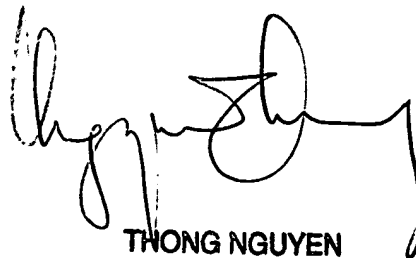
c) ☐ disapproved because the amendment was filed after the payment of the issue fee.

Any amendment filed after the date the issue fee is paid must be accompanied by a petition under 37 CFR 1.313(c)(1) and the required fee to withdraw the application from issue.

d) ☐ disapproved. See explanation below.

e) ☐ entered in part. See explanation below.

The replacement formal drawings submitted 5/22/06 are also acknowledged and accepted.

**THONG NGUYEN
PRIMARY EXAMINER**



*Drawing Changes
Approved for
Antony
AEC
6/9/06*

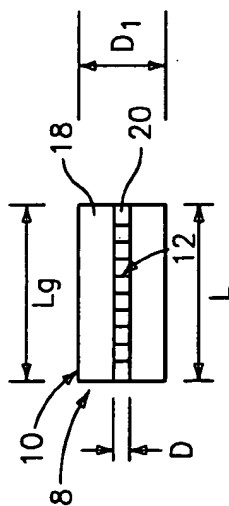


FIG. 1

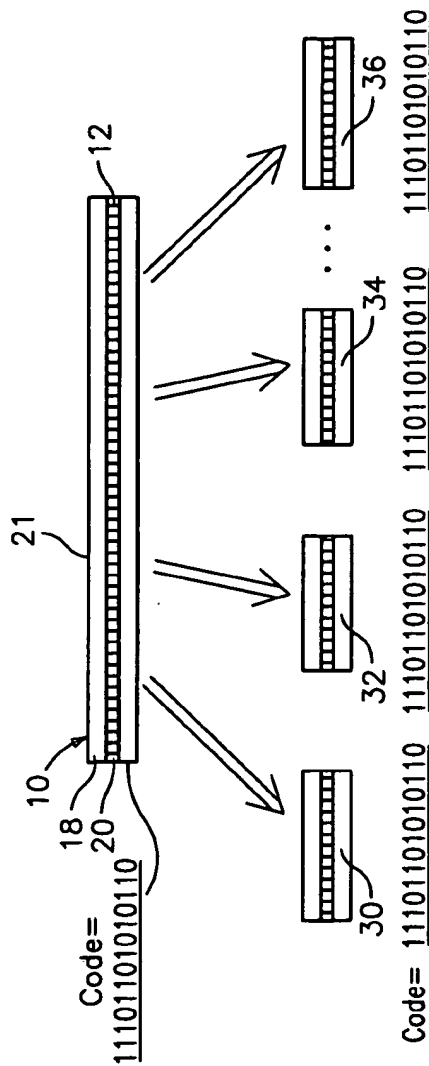


FIG. 2

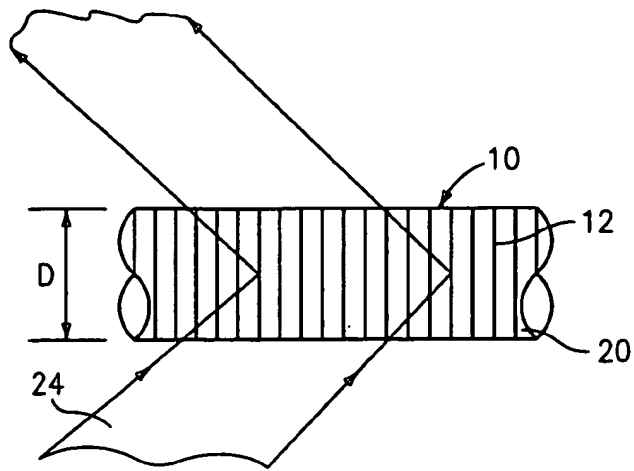


FIG. 3

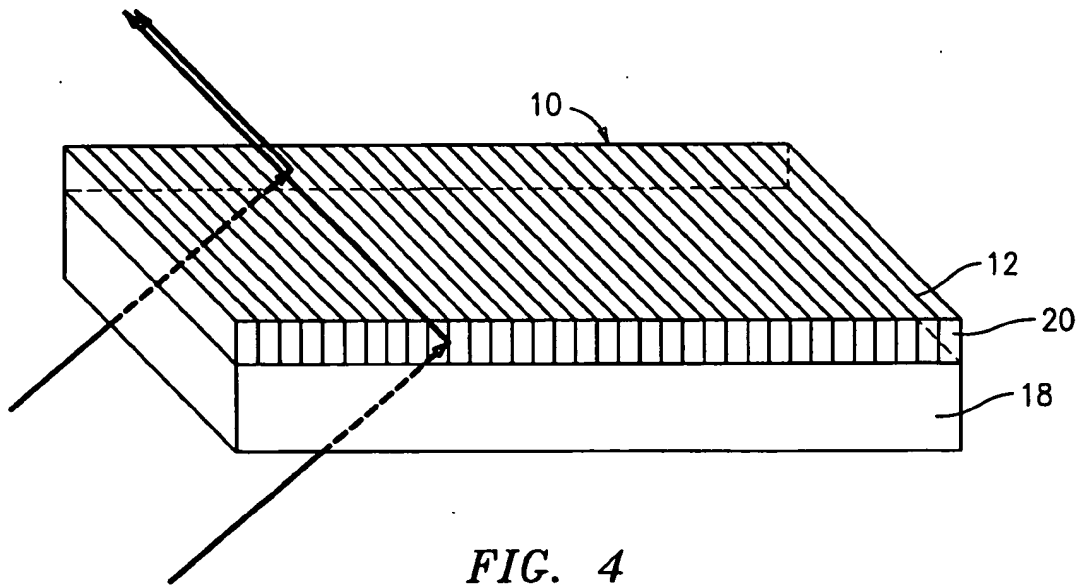


FIG. 4

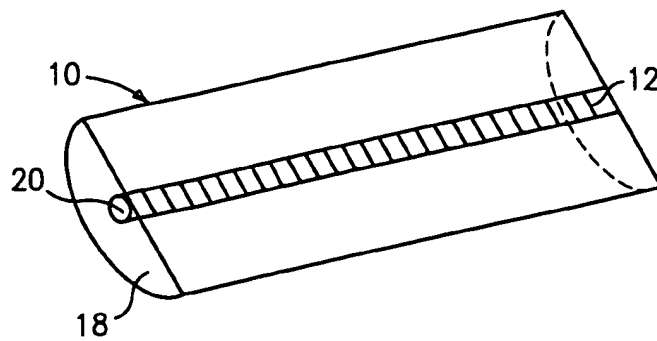


FIG. 5

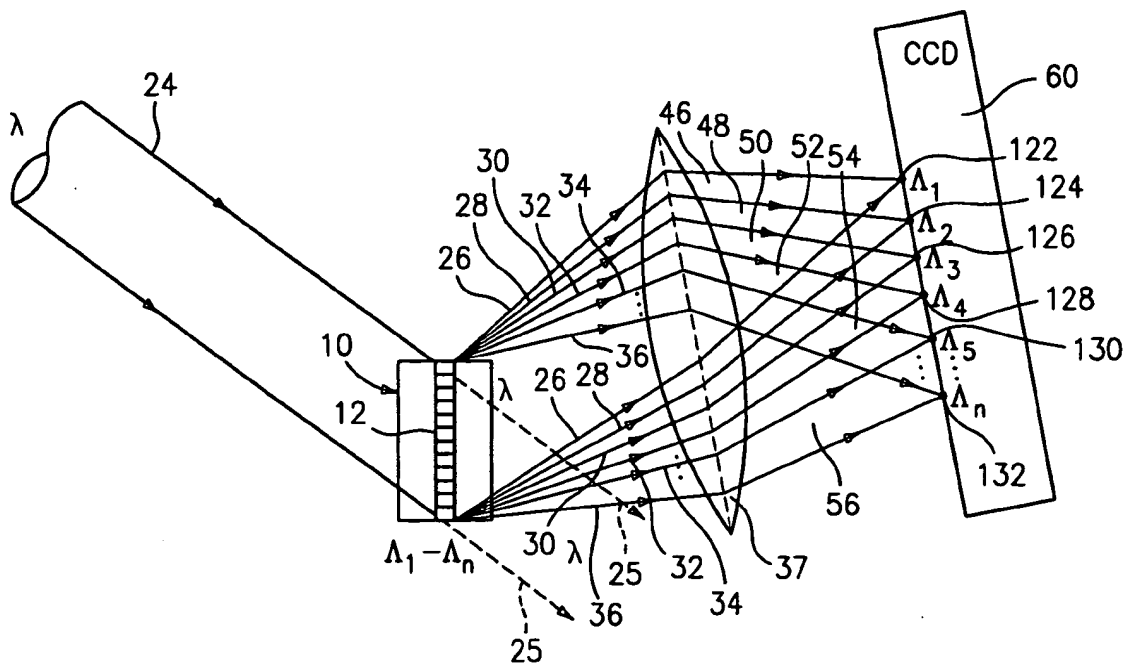


FIG. 6

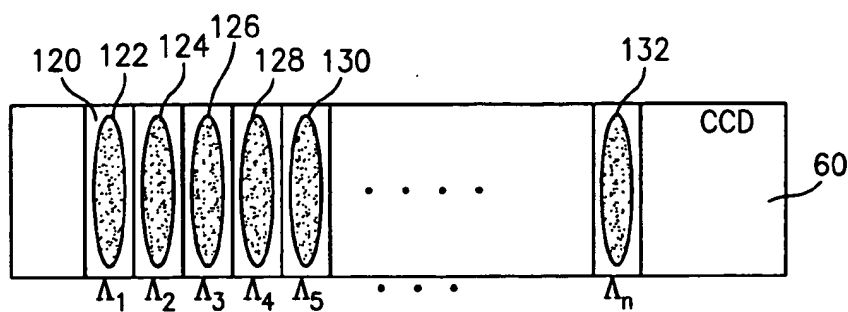


FIG. 7

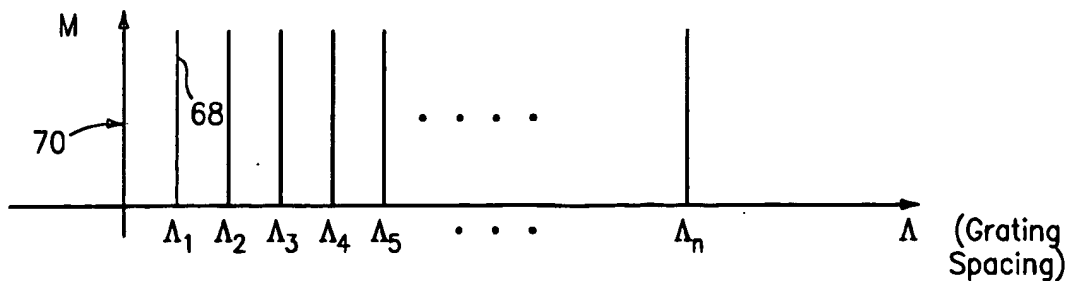


FIG. 8

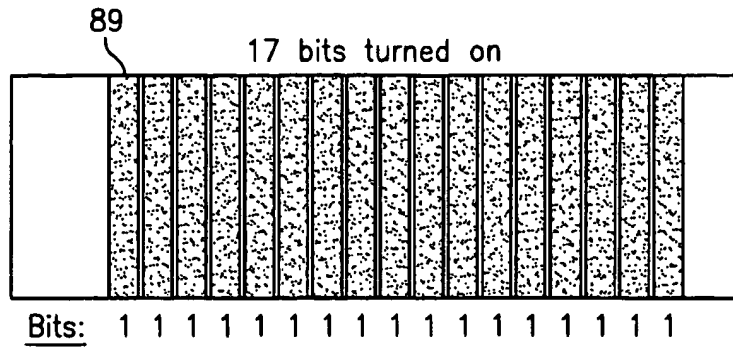


Illustration (a)

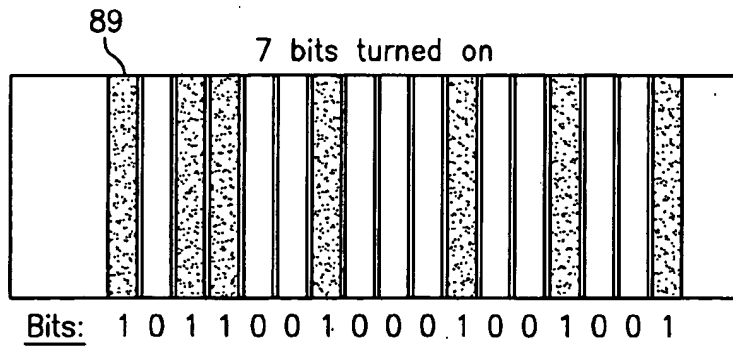


Illustration (b)

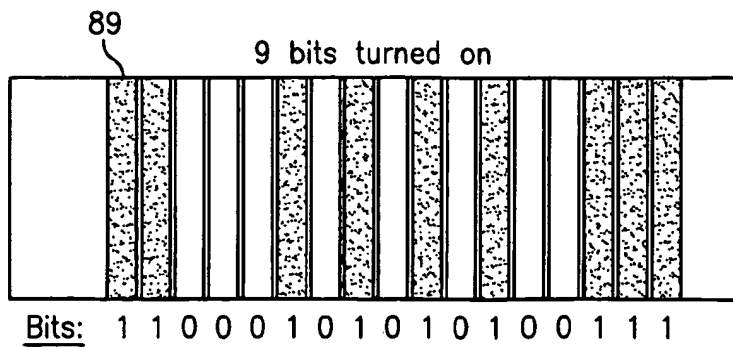


Illustration (c)

FIG. 9

5/23

Illustration of refractive index profile for single grating with a period of 1 micron

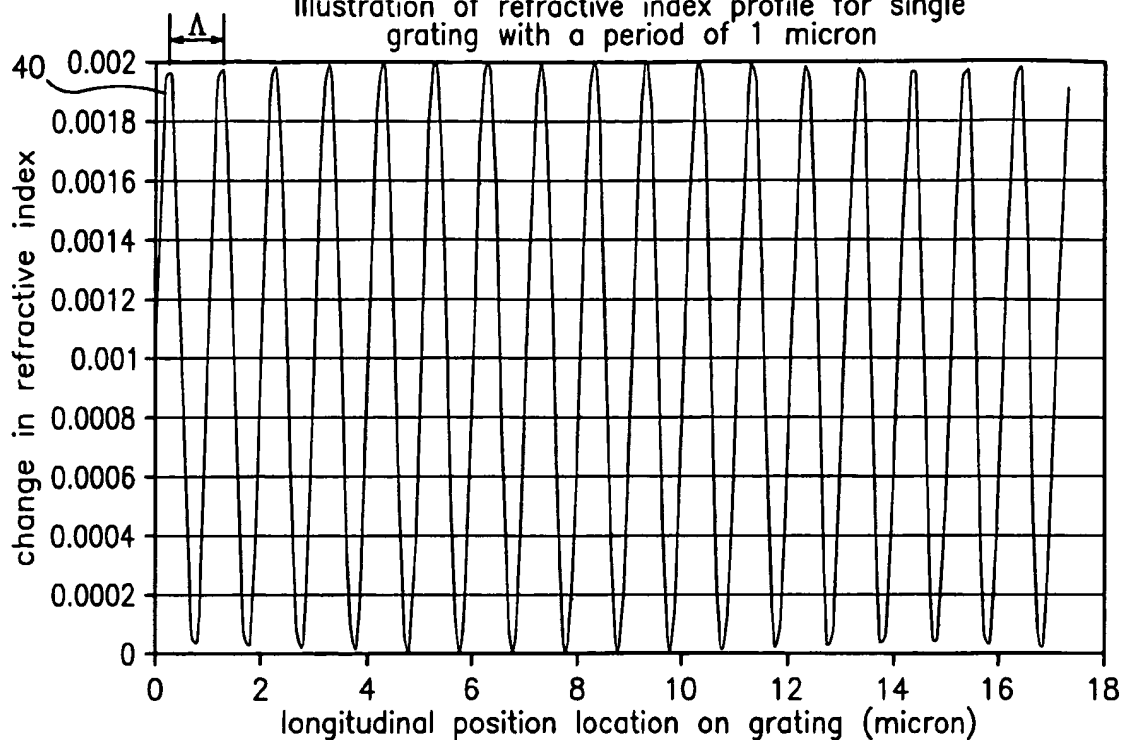


Illustration (a)

Illustration of refractive index profile for 3 colocated gratings whose period vary by 0.3%

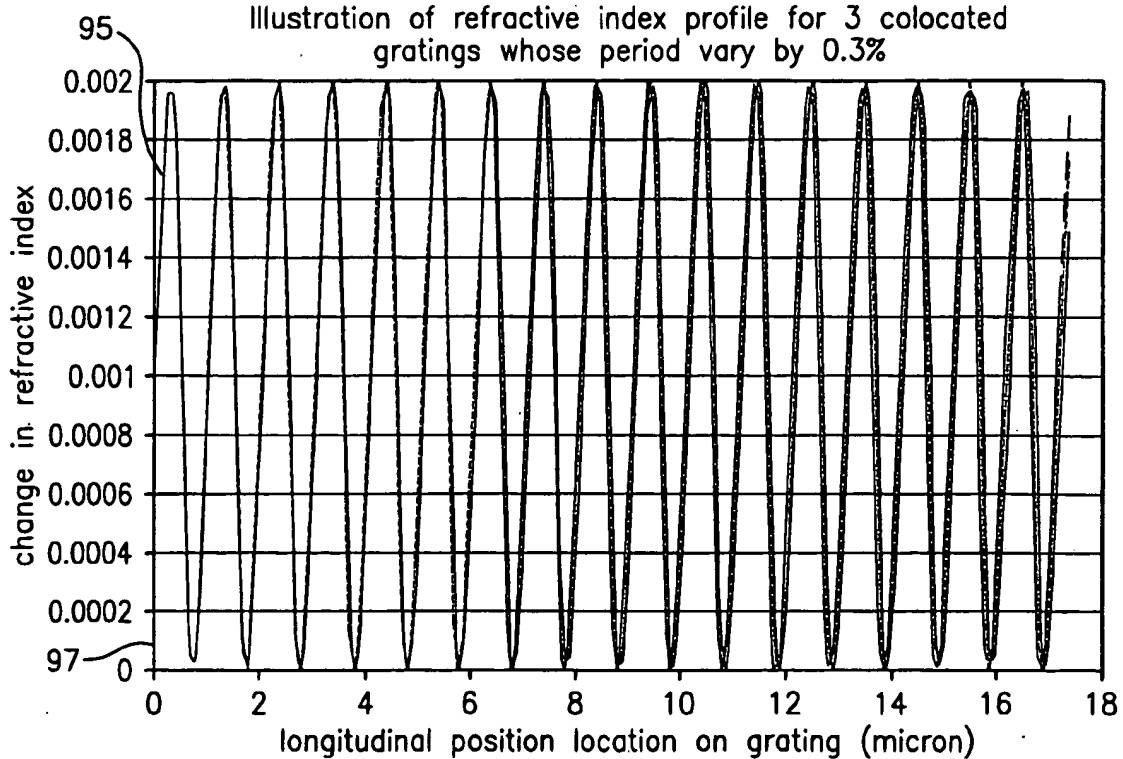


FIG. 10

Illustration (c)

6/23

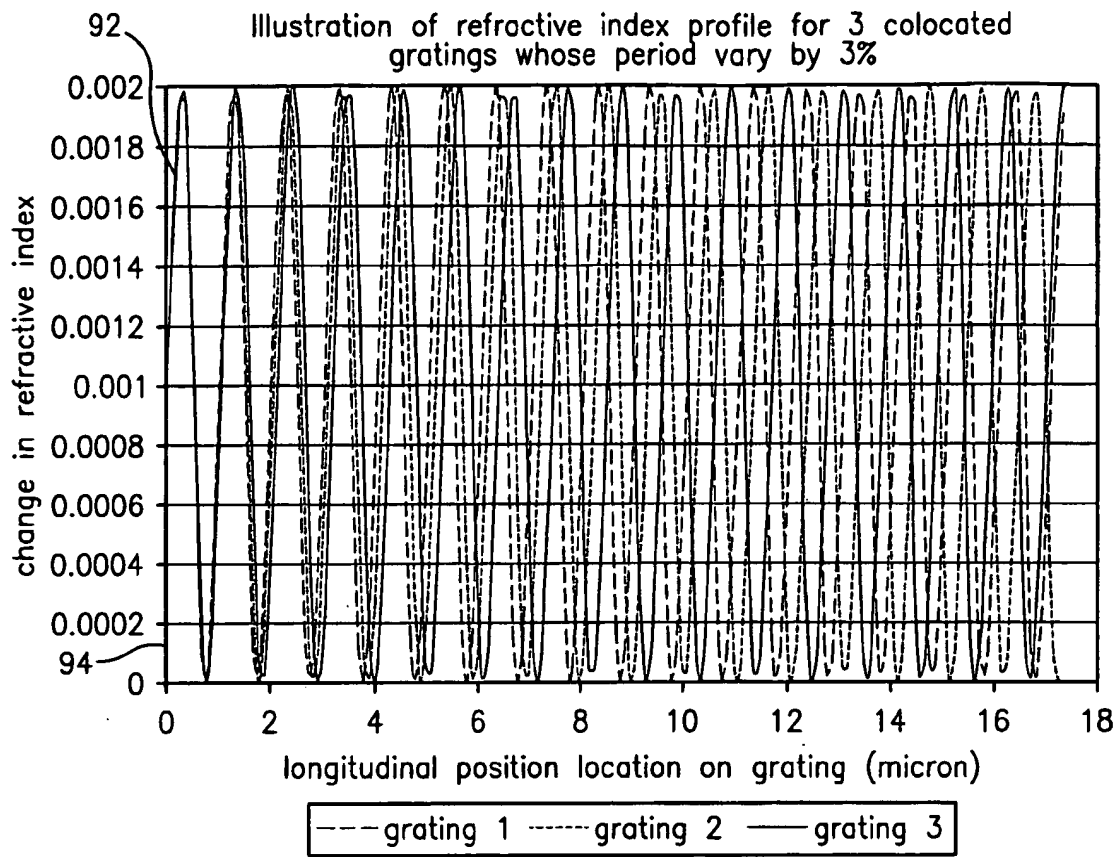


Illustration (b)

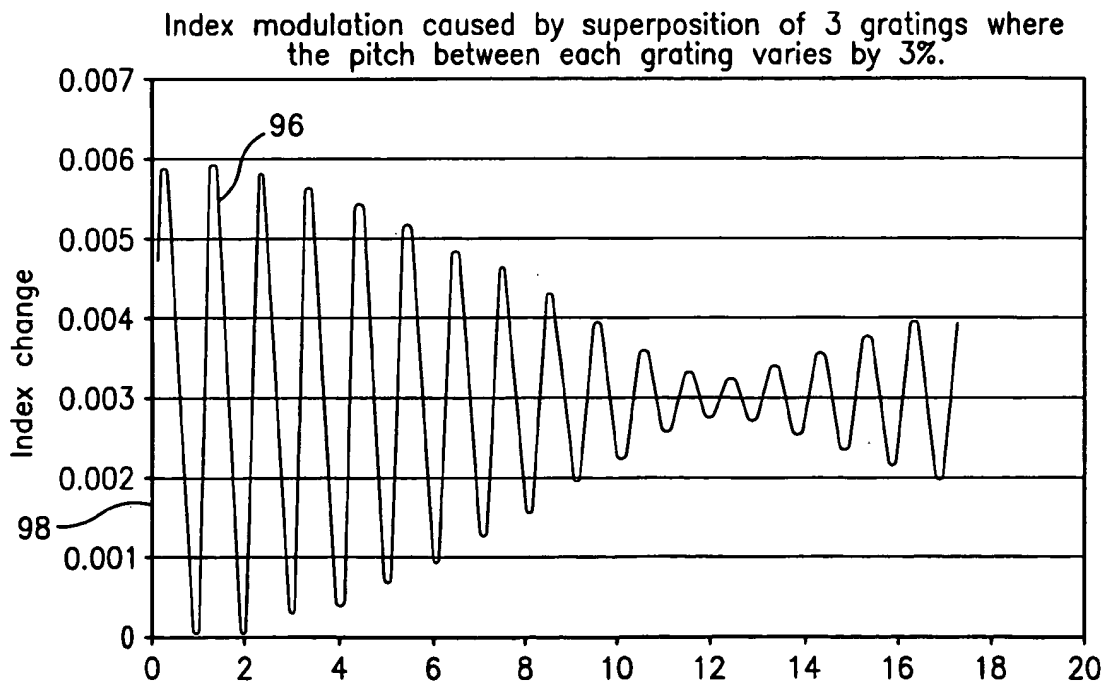
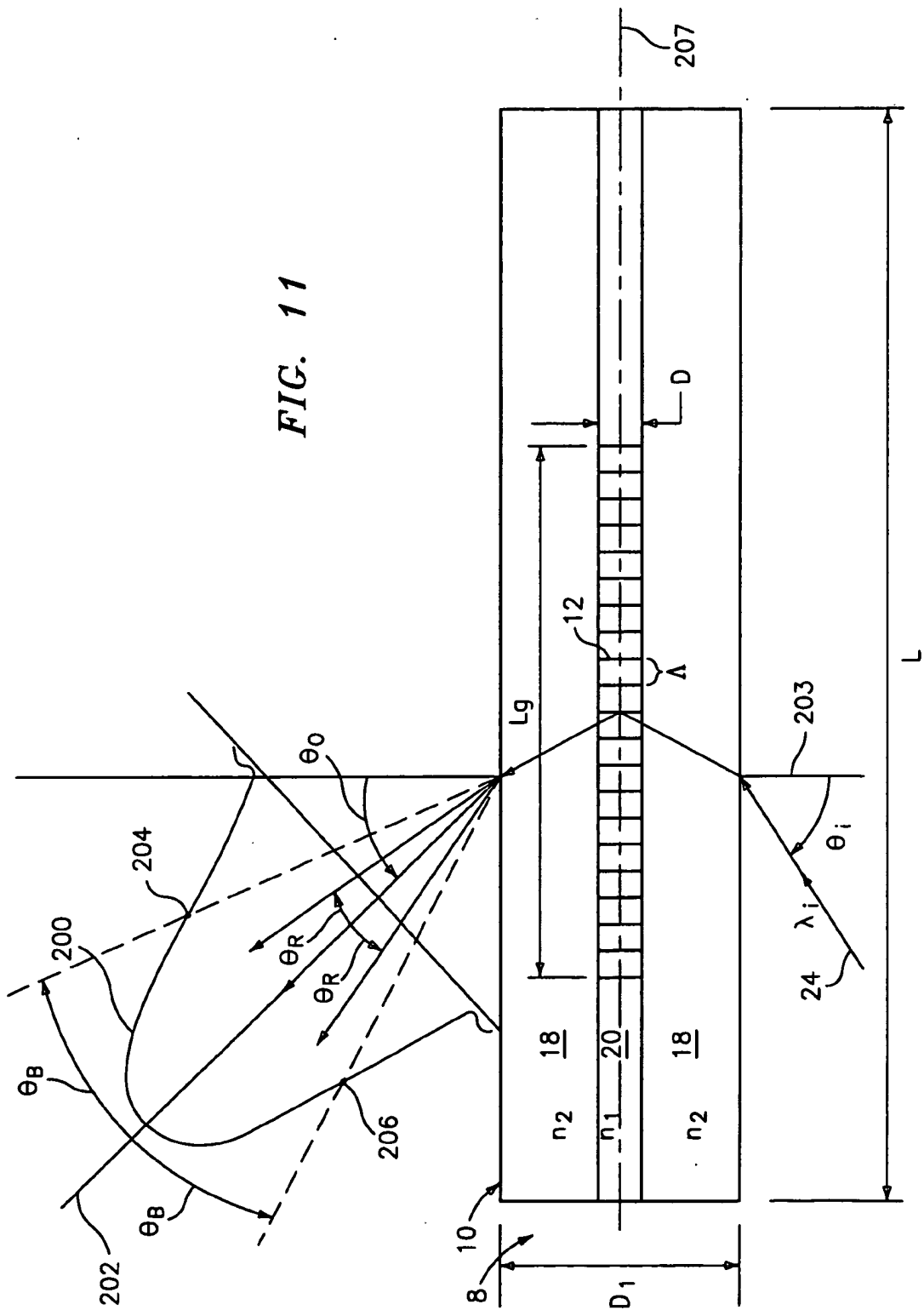


Illustration (d)

FIG. 10

FIG. 11



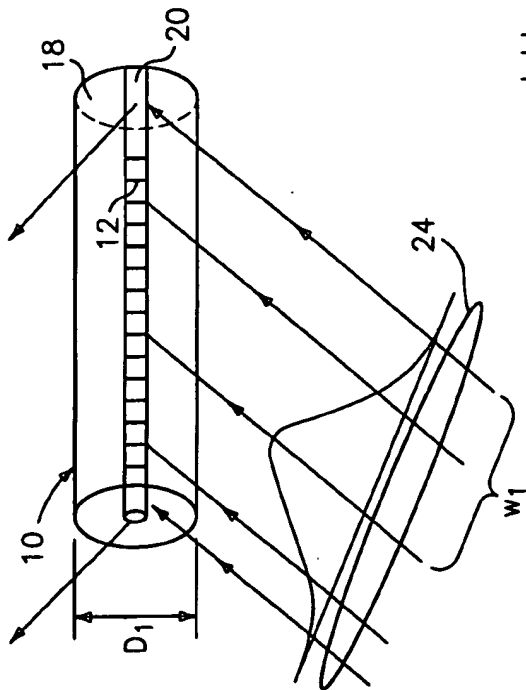


FIG. 12

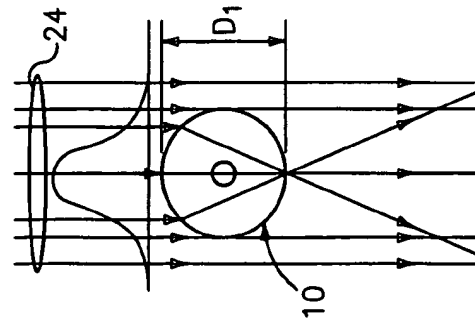


FIG. 13

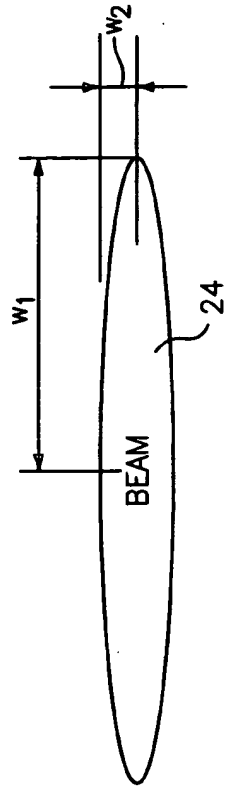


FIG. 16

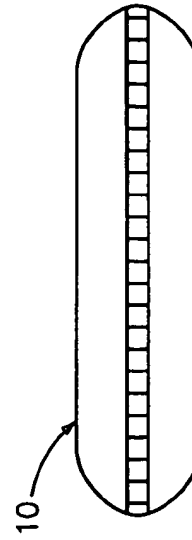


FIG. 17

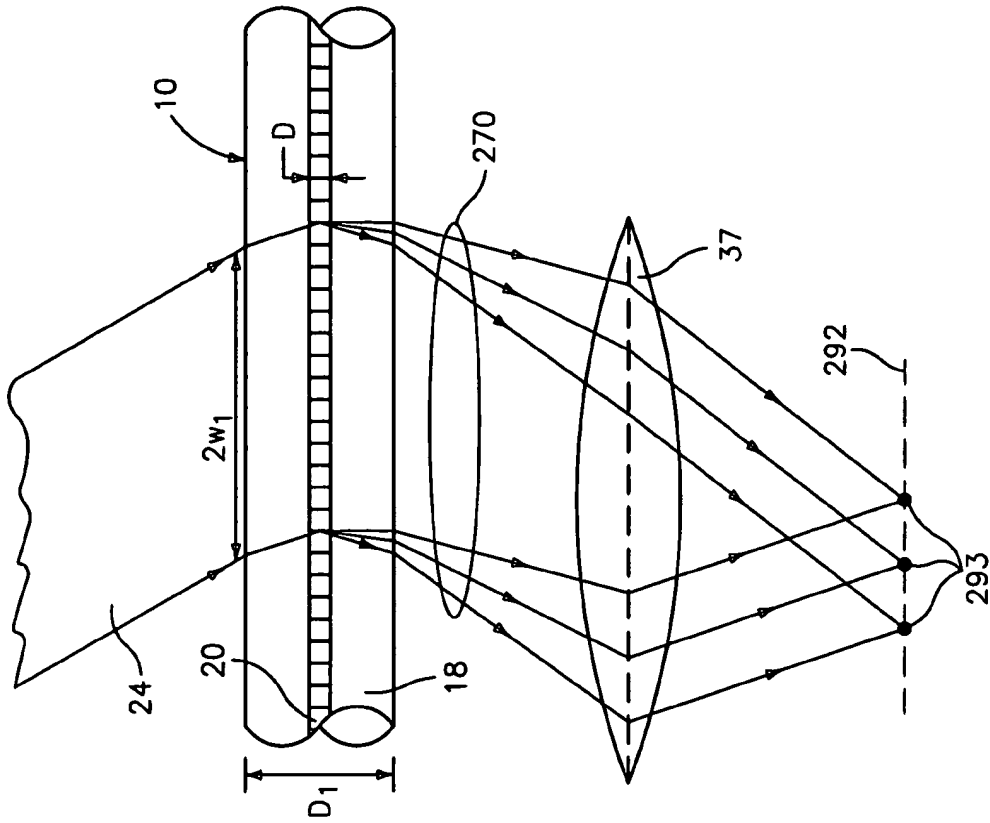


FIG. 14

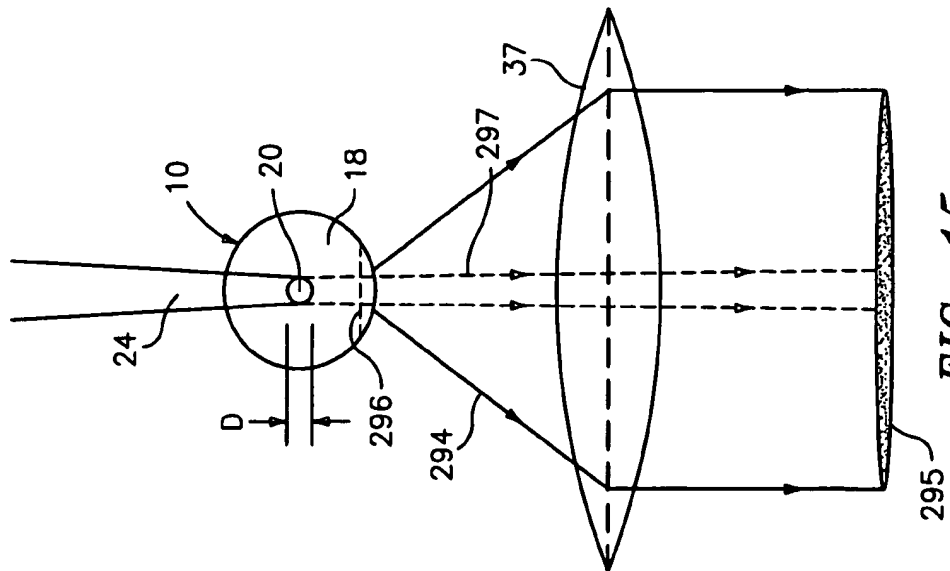


FIG. 15

10/23

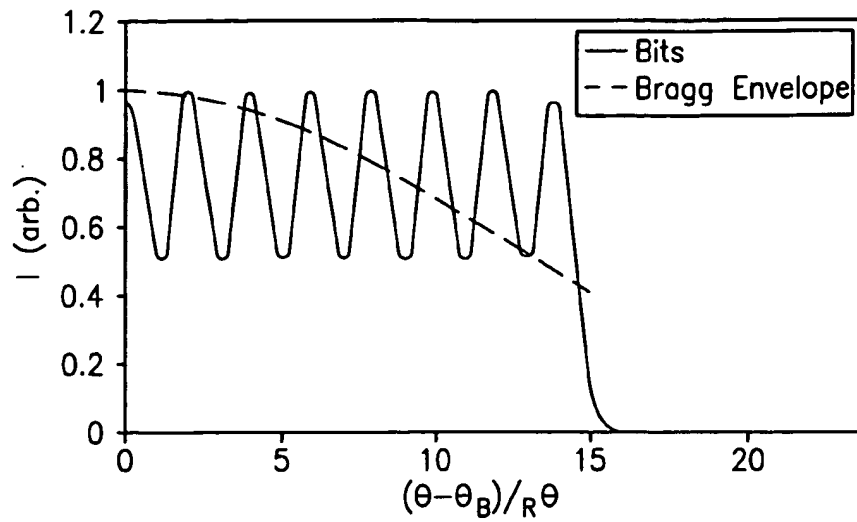


FIG. 18

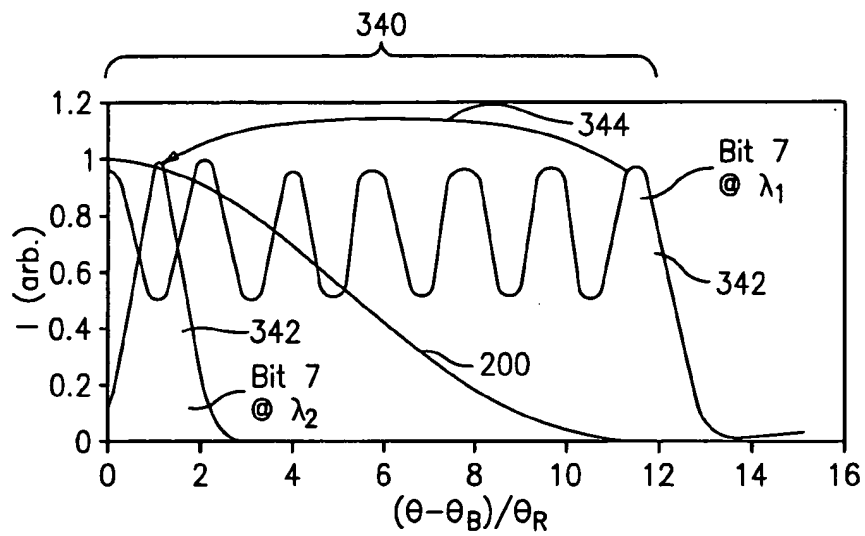


FIG. 20

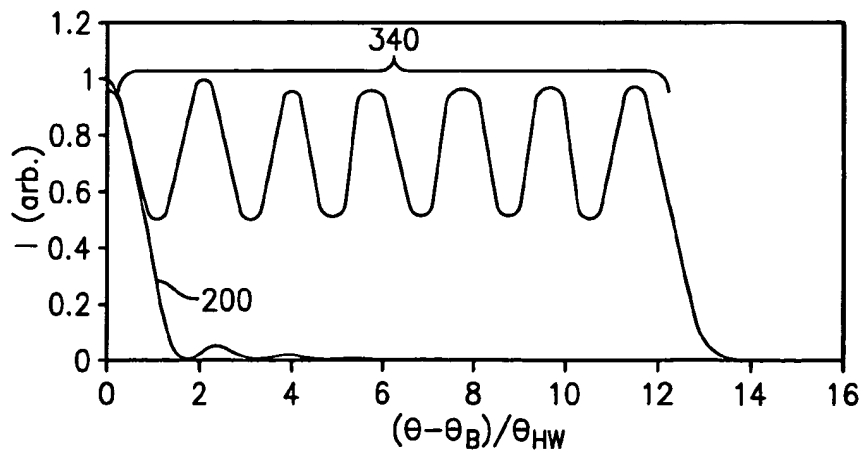


FIG. 21

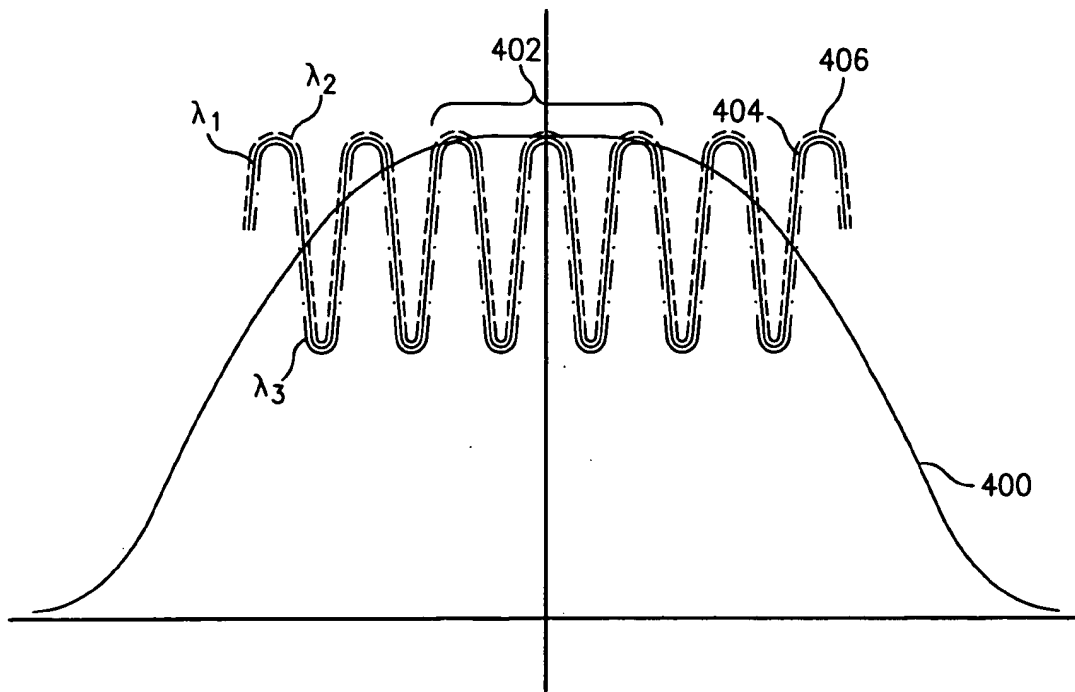


FIG. 22

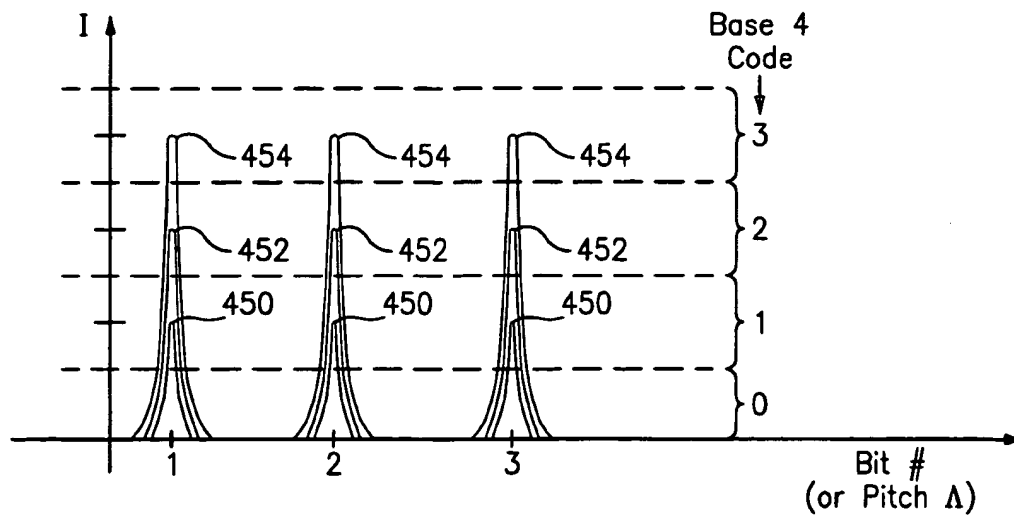


FIG. 27

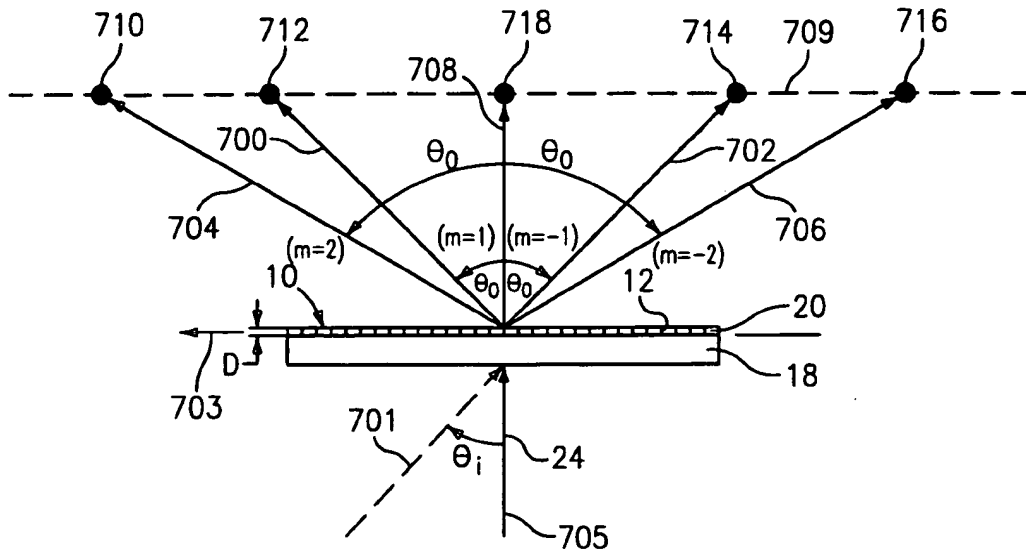


FIG. 23

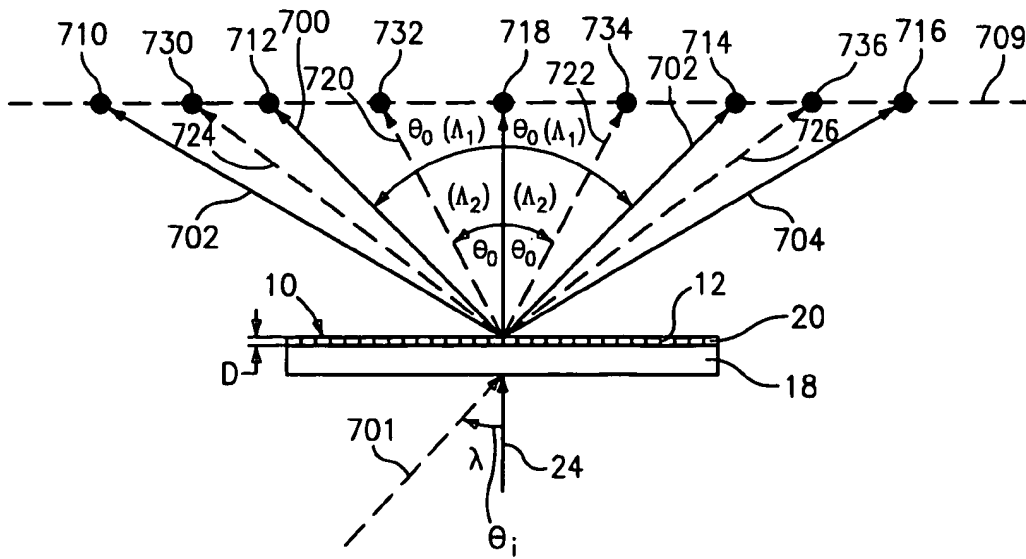


FIG. 24

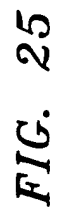


FIG. 26

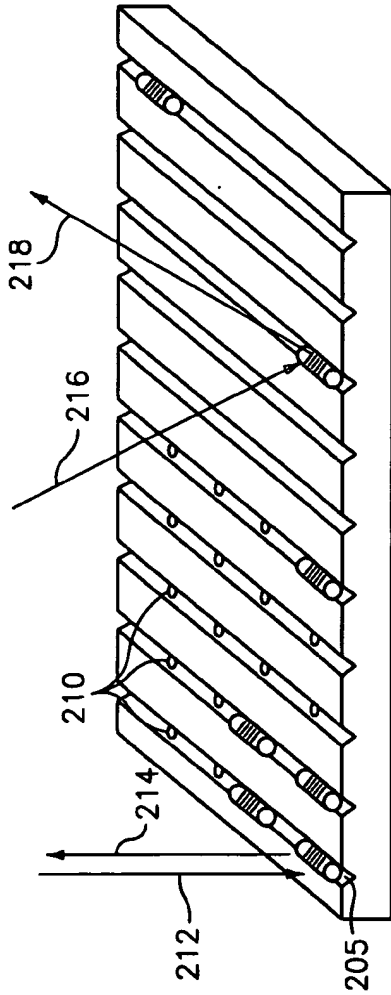


FIG. 28

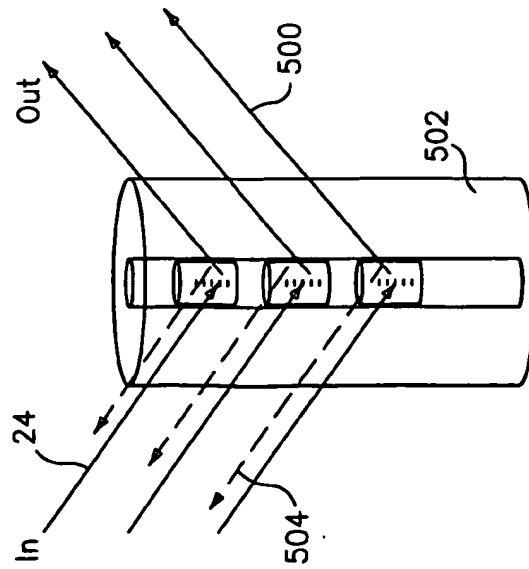


FIG. 29

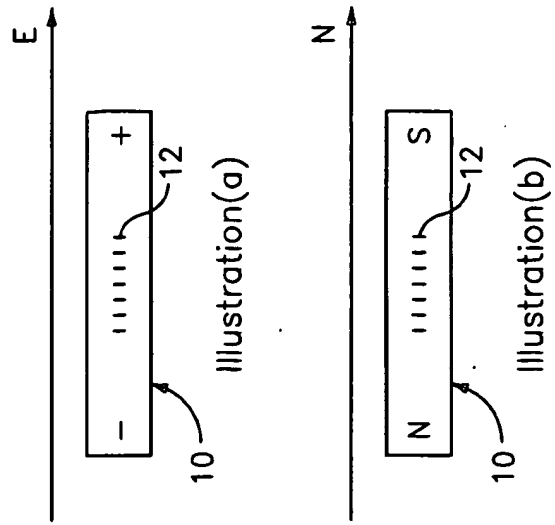


FIG. 57

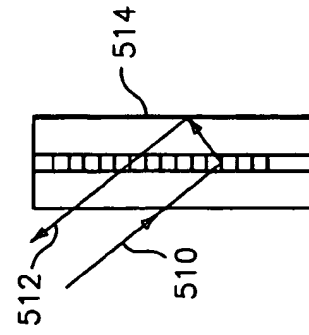


FIG. 30

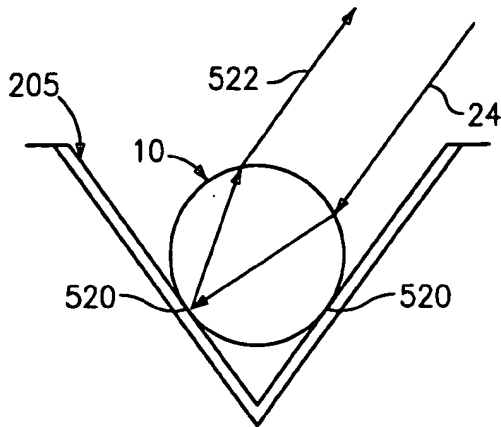


FIG. 31

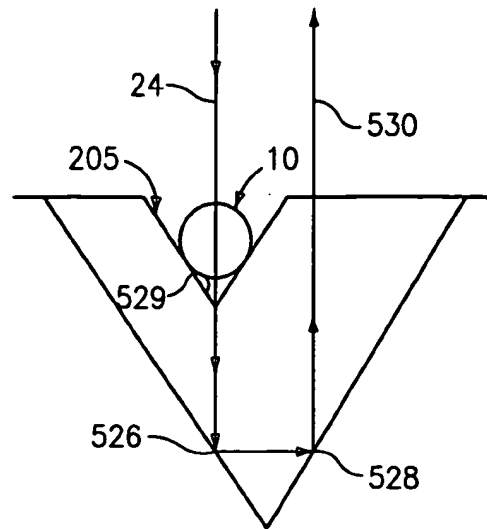
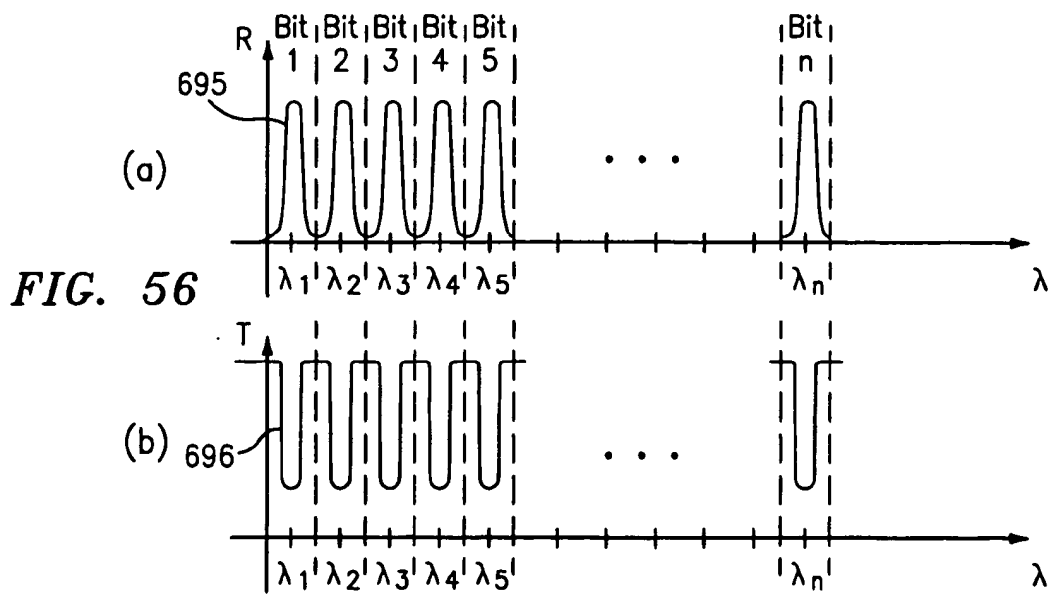
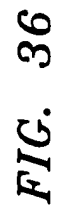
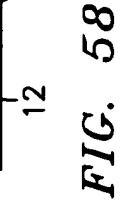
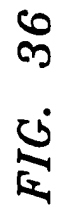
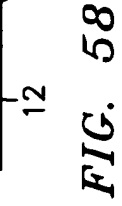
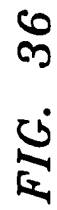
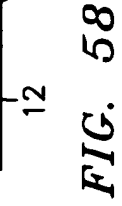
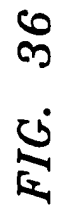
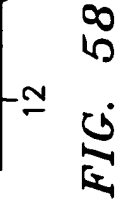
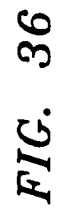
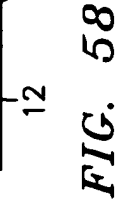
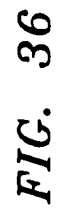
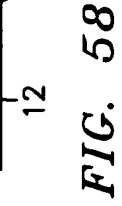
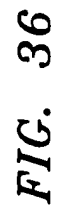
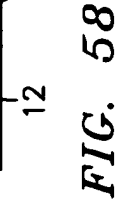
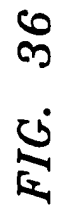
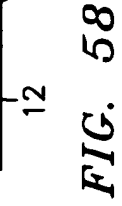
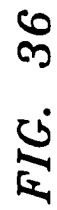
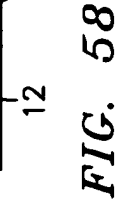
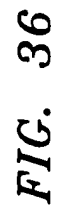
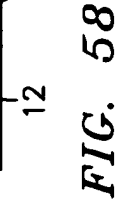
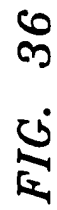
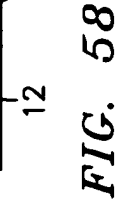
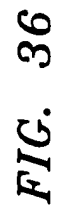
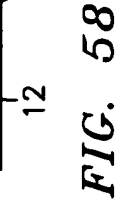
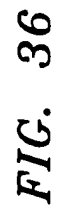
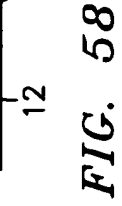
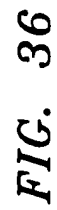
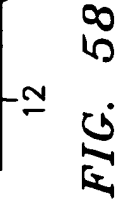
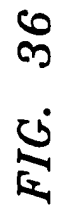
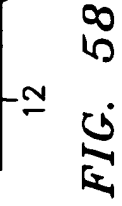
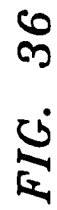
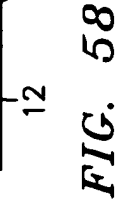
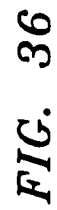
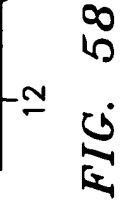
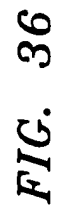
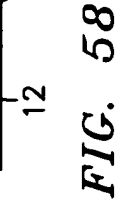
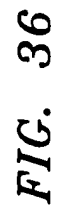
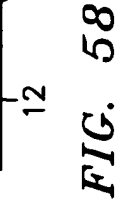
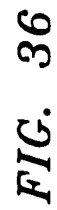
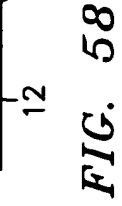
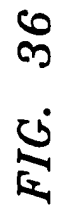
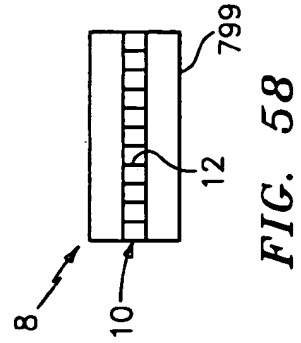
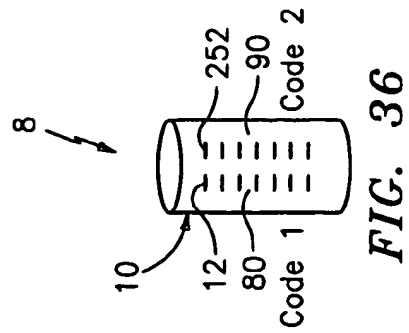
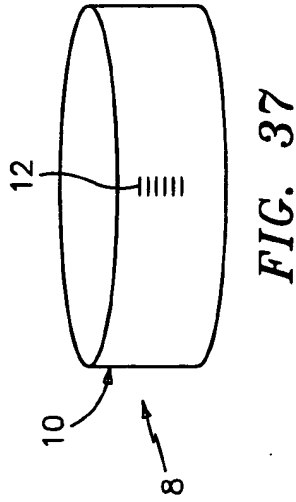
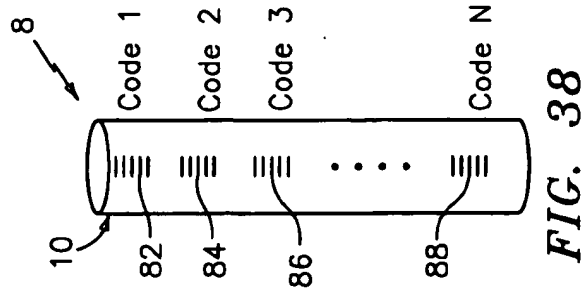
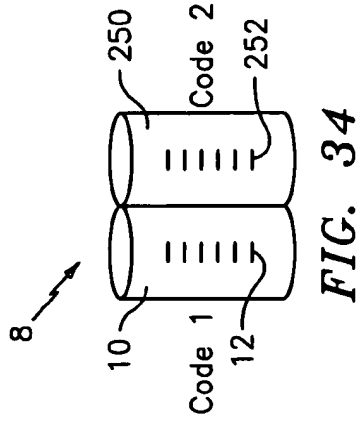
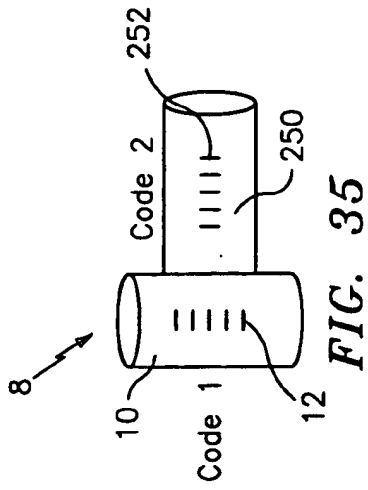


FIG. 32





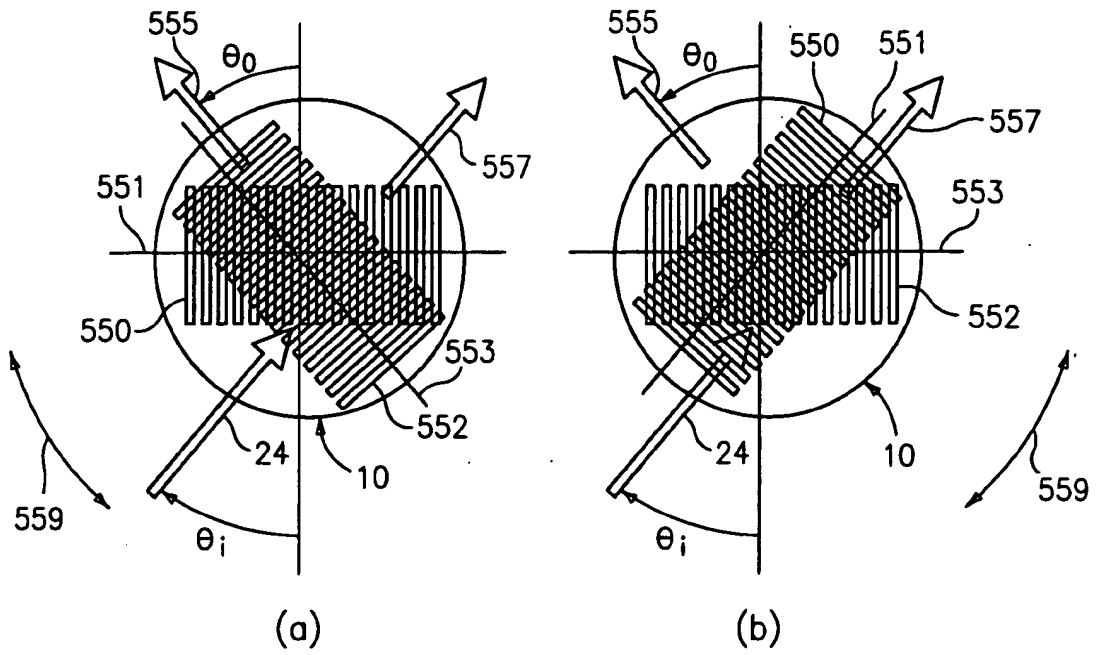


FIG. 39

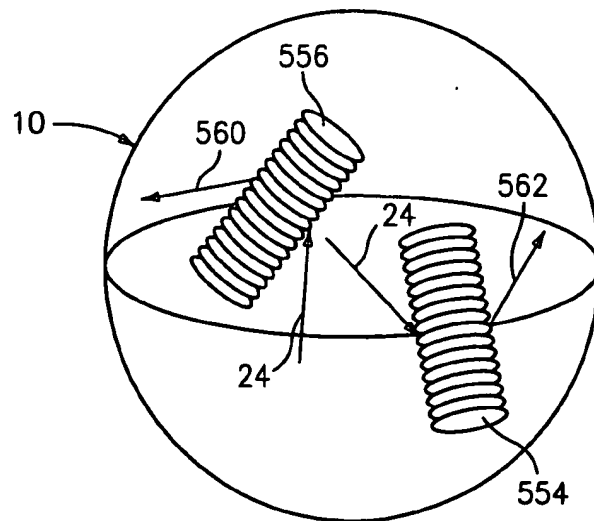


FIG. 40

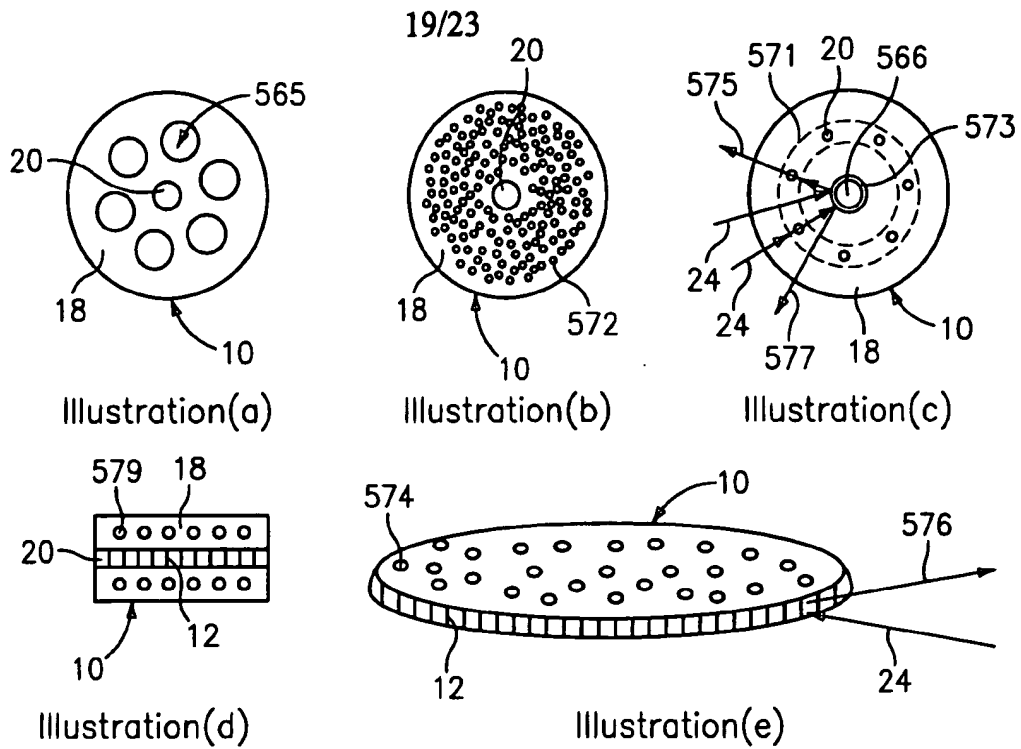


FIG. 41

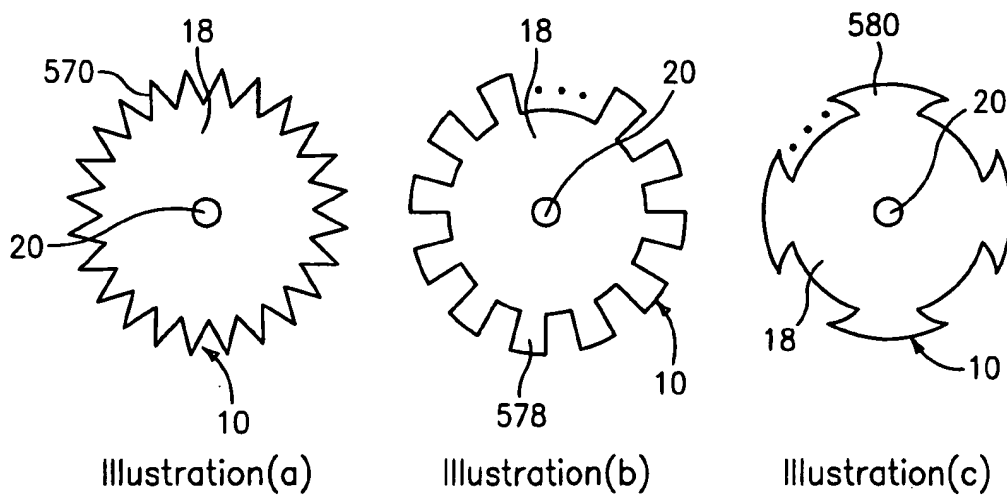


FIG. 42

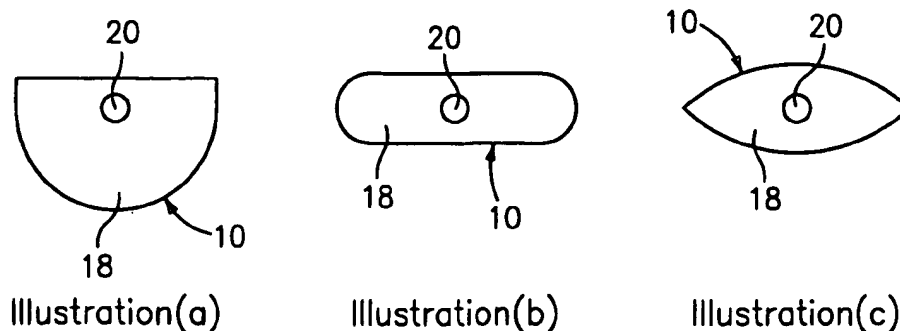


FIG. 43

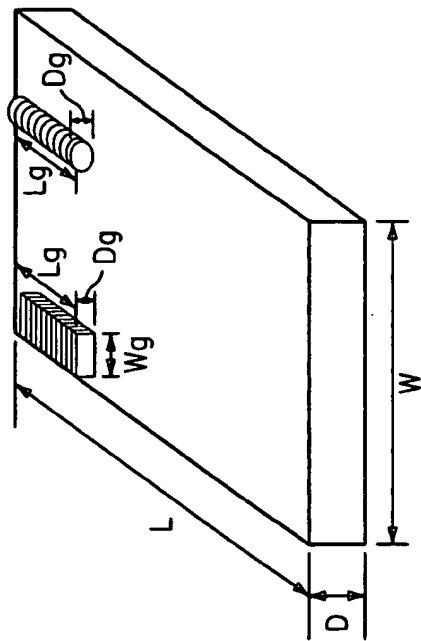


FIG. 44

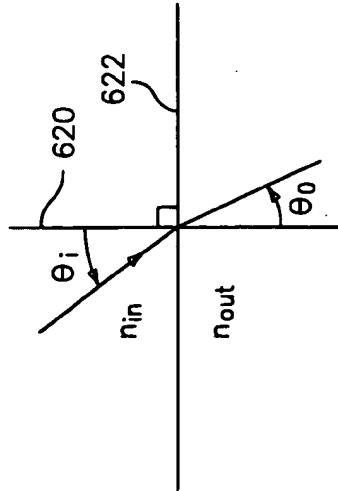


FIG. 46

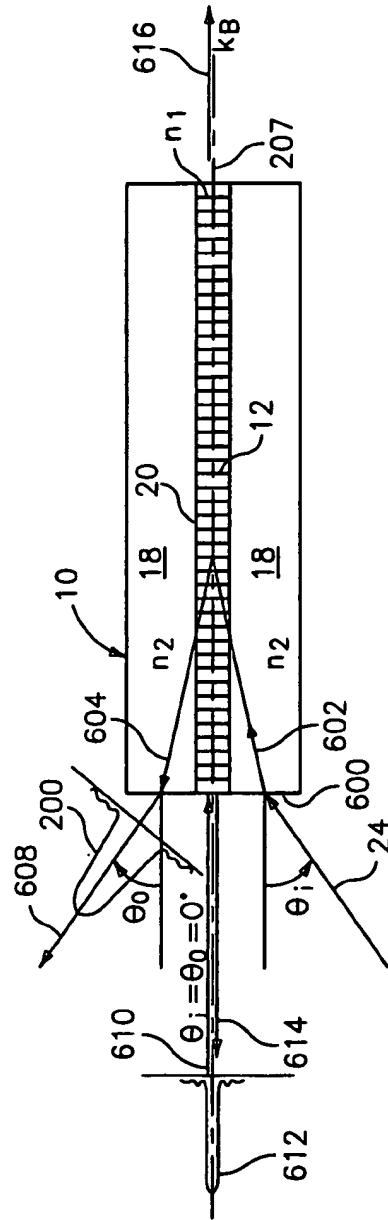


FIG. 45

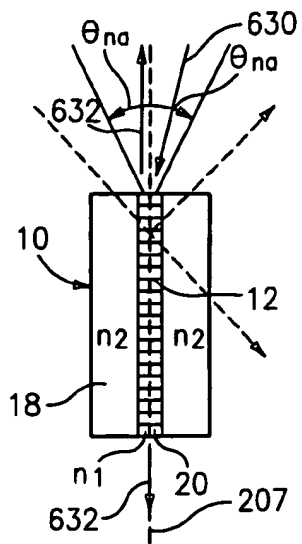


FIG. 47

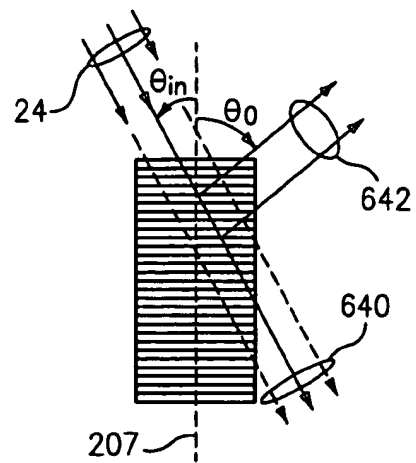


FIG. 48

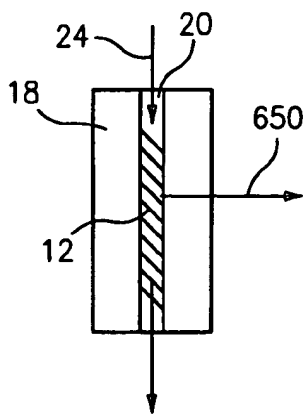


FIG. 49

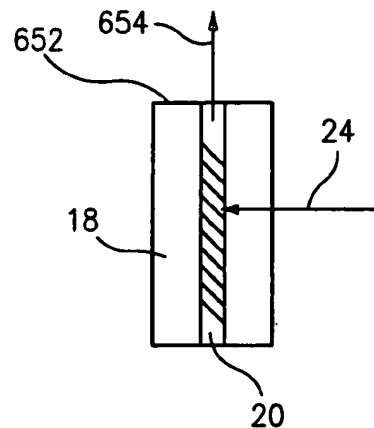


FIG. 50

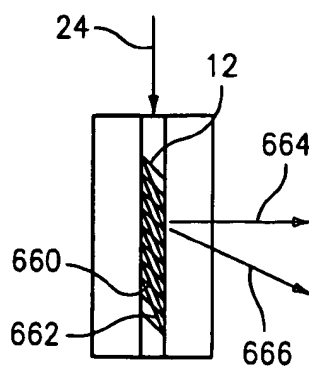


FIG. 51

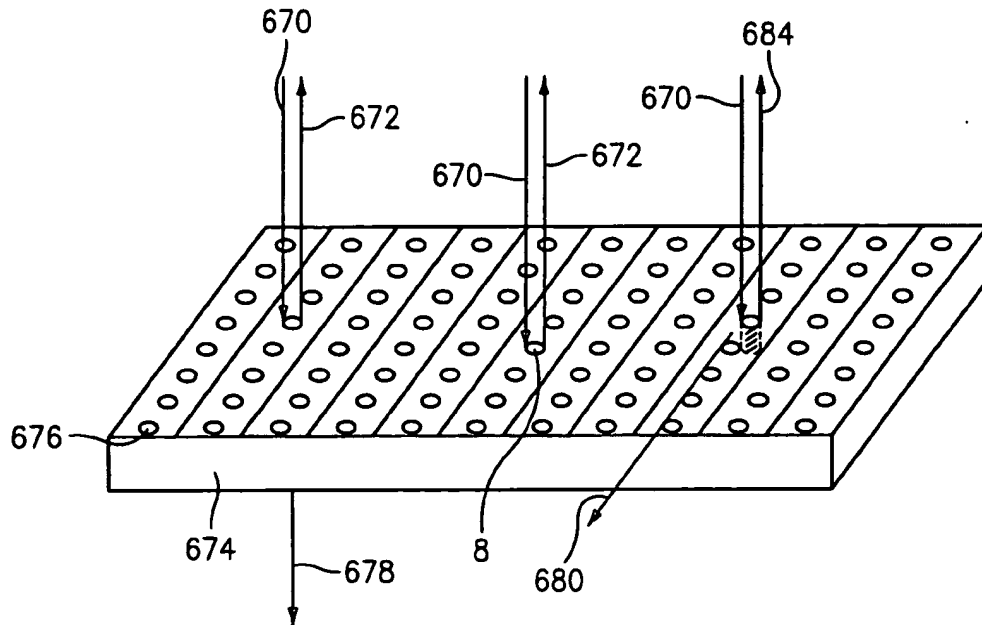


FIG. 52

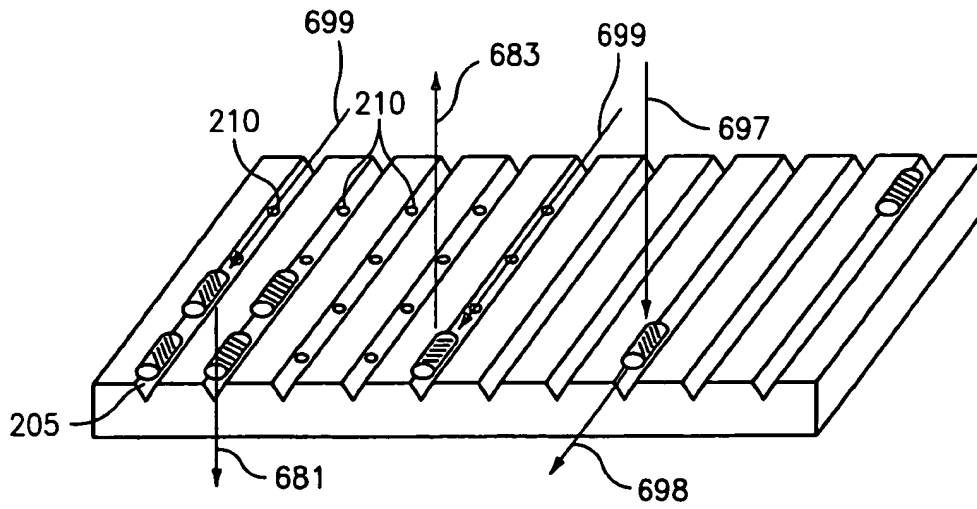


FIG. 53

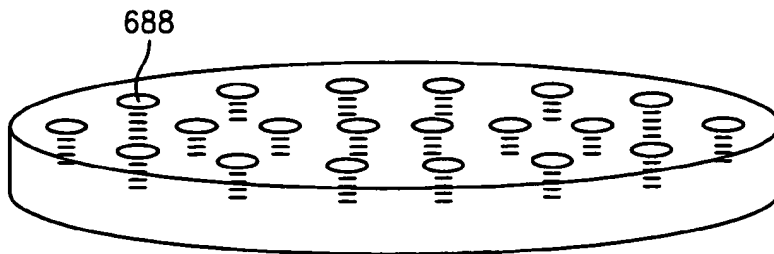


FIG. 54

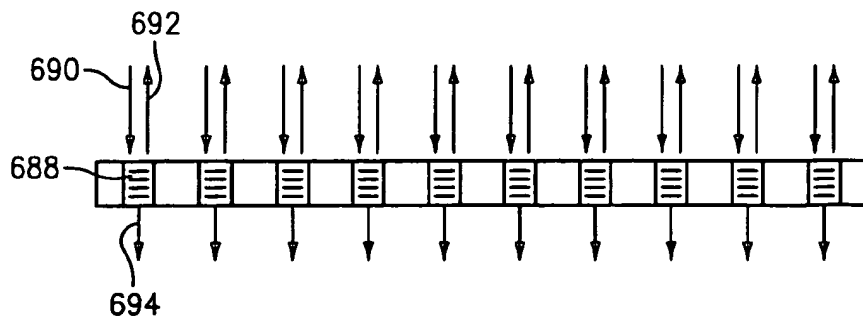


FIG. 55